

Analytical Report Cover Page A3I060169.....	1
Case Narrative	2
Executive Summary	6
Analytical Method Summary.....	9
Sample Summary	10
Analytical Results by Sample	11
Quality Control Section.....	74
Chain of Custody	101
Total # of Pages in this Document.....	105

SEVERN
TRENT

STL

STL North Canton
4101 Shuffel Drive NW
North Canton, OH 44720

Tel: 330 497 9396 Fax: 330 497 0772
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. 100.58.15

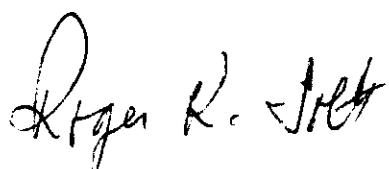
EMD CHEMICALS INC.

Lot #: A3I060169

Dan Weed

The Payne Firm, Inc.
11231 Cornell Park Drive
Cincinnati, OH 45242

SEVERN TRENT LABORATORIES, INC.



Roger K. Toth
Project Manager

October 7, 2003

CASE NARRATIVE

A3I060169

The following report contains the analytical results for eleven water samples and one quality control sample submitted to STL North Canton by The Payne Firm, Inc. from the EMDChemicals Inc. Site, project number 100.58.15. The samples were received September 06, 2003, according to documented sample acceptance procedures.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Dan Weed on September 15, 2003, on September 22, 2003, and October 02, 2003. A summary of QC data for these analyses is included at the back of the report.

STL North Canton attests to the validity of the laboratory data reported herein. All analyses were performed using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. STL's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT."

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the coolers upon sample receipt was 2.6, 3.2 and 2.7°C.

GC/MS VOLATILES

Result concentration exceeds the calibration range. Refer to the sample report pages for the affected compound(s) flagged with "E".

Additional analytes were added to the compound list after samples MW31C/090503 and MW-505B/090503 were analyzed and reported. In these two samples 1,4-dioxane was quantitated over the calibration range. The samples were not reanalyzed at a dilution because 1,4-dioxane was not originally on the compound list. That compound is being reported with an "E" flag for estimated concentration.

Elevated reporting limits due to TICs for sample MW-505B/090503.

CASE NARRATIVE (continued)

GC/MS SEMIVOLATILES

The analytical results met the requirements of the laboratory's QA/QC program.

METALS

The analytical results met the requirements of the laboratory's QA/QC program.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS

STL North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. STL North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples. These QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. The only exception is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed below.)

<u>Volatile (GC or GC/MS)</u>	<u>Semivolatile (GC/MS)</u>	<u>Metals</u>
Methylene chloride	Phthalate Esters	Copper
Acetone		Iron
2-Butanone		Zinc
		Lead*

- *for analyses run on TJA Trace ICP, ICPMS or GFAA only*
- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

QUALITY CONTROL ELEMENTS OF SW-846 METHODS (Continued)

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable. The acceptance criteria do not apply to samples that are diluted for organics if the native sample amount is 4x the concentration of the spike.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepped and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepped and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide, PCB, PAH, and Herbicide methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria.



STL North Canton Certifications and Approvals:

Alabama (#41170), California (#2157), Connecticut (#PH-0590), Florida (#E87225),
Illinois (#100439), Kansas (#E10336), Kentucky (#90021), Massachusetts (#M-OH048),
Maryland (#272), Minnesota (#39-999-348), Missouri (#6090), New Jersey (#74001),
New York (#10975), North Dakota (#R-156), Ohio (#6090), OhioVAP (#CL0024),
Pennsylvania (#68-340), Rhode Island (#237), South Carolina (#92007001, #92007002, #92007003),
Tennessee (#02903), West Virginia (#210), Wisconsin (#999518190), NAVY, ARMY,
USDA Soil Permit, ACIL Seal of Excellence – Participating Lab Status Award (#82)

EXECUTIVE SUMMARY - Detection Highlights

A3I060169

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-506/090503 09/05/03 15:00 001				
Chromium - DISSOLVED	0.0084	0.0050	mg/L	SW846 6010B
Nickel - DISSOLVED	4.0	0.040	mg/L	SW846 6010B
Arsenic	0.025	0.020	mg/L	SW846 6010B
Chromium	48.8	0.010	mg/L	SW846 6010B
Nickel	7.6	0.040	mg/L	SW846 6010B
Total Suspended Solids	9300	40	mg/L	MCAWW 160.2
MW-31C/090503 09/05/03 14:08 002				
bis(2-Ethylhexyl) phthalate	11	10	ug/L	SW846 8270C
1,4-Dioxane	12000 E	800	ug/L	SW846 8260B
Vinyl chloride	4.7	4.0	ug/L	SW846 8260B
Methylene chloride	94	4.0	ug/L	SW846 8260B
Acetone	43	40	ug/L	SW846 8260B
1,1-Dichloroethane	7.6	4.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	8.6	8.0	ug/L	SW846 8260B
1,2-Dichloroethane	62	4.0	ug/L	SW846 8260B
Benzene	12	4.0	ug/L	SW846 8260B
MW-31A/090503 09/05/03 13:00 003				
bis(2-Ethylhexyl) phthalate	29	10	ug/L	SW846 8270C
1,4-Dioxane	13000	6700	ug/L	SW846 8260B
Vinyl chloride	270	33	ug/L	SW846 8260B
1,2-Dichloroethene (total)	780	67	ug/L	SW846 8260B
1,2-Dichloroethane	57	33	ug/L	SW846 8260B
Trichloroethene	340	33	ug/L	SW846 8260B
Benzene	48	33	ug/L	SW846 8260B
MW-31D/090503 09/05/03 13:20 004				
1,4-Dioxane	770	670	ug/L	SW846 8260B
Vinyl chloride	3.9	3.3	ug/L	SW846 8260B
1,2-Dichloroethene (total)	9.1	6.7	ug/L	SW846 8260B
1,2-Dichloroethane	98	3.3	ug/L	SW846 8260B
Benzene	3.5	3.3	ug/L	SW846 8260B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A3I060169

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-508/090503 09/05/03 10:25 005				
Nickel - DISSOLVED	0.053	0.040	mg/L	SW846 6010B
Arsenic	0.011	0.010	mg/L	SW846 6010B
Chromium	2.0	0.0050	mg/L	SW846 6010B
Nickel	0.62	0.040	mg/L	SW846 6010B
1,4-Dioxane	860	200	ug/L	SW846 8260B
Total Suspended Solids	43	4.0	mg/L	MCAWW 160.2
MW-507/090503 09/05/03 09:55 006				
Arsenic	0.12	0.010	mg/L	SW846 6010B
Chromium	0.051	0.0050	mg/L	SW846 6010B
Nickel	0.062	0.040	mg/L	SW846 6010B
Total Suspended Solids	280	4.0	mg/L	MCAWW 160.2
MW-505A/090503 09/05/03 09:15 007				
Arsenic	0.014	0.010	mg/L	SW846 6010B
Chromium	1.1	0.0050	mg/L	SW846 6010B
Nickel	0.19	0.040	mg/L	SW846 6010B
1,4-Dioxane	3400	1000	ug/L	SW846 8260B
Vinyl chloride	83	5.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	130	10	ug/L	SW846 8260B
1,2-Dichloroethane	8.2	5.0	ug/L	SW846 8260B
Total Suspended Solids	140	4.0	mg/L	MCAWW 160.2
MW-505B/090503 09/05/03 09:17 008				
Nickel - DISSOLVED	0.073	0.040	mg/L	SW846 6010B
Chromium	0.026	0.0050	mg/L	SW846 6010B
Nickel	0.11	0.040	mg/L	SW846 6010B
1,4-Dioxane	9000 E	800	ug/L	SW846 8260B
Vinyl chloride	35	4.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	45	8.0	ug/L	SW846 8260B
1,2-Dichloroethane	5.4	4.0	ug/L	SW846 8260B
Total Suspended Solids	87	4.0	mg/L	MCAWW 160.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

A3I060169

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
MW-504/090503 09/05/03 08:30 009				
Chloroform	4.4	1.0	ug/L	SW846 8260B
Trichloroethene	1.7	1.0	ug/L	SW846 8260B
DUP02/090503 09/05/03 010				
1, 4-Dioxane	710	670	ug/L	SW846 8260B
Vinyl chloride	3.9	3.3	ug/L	SW846 8260B
1, 2-Dichloroethene (total)	9.9	6.7	ug/L	SW846 8260B
1, 2-Dichloroethane	78	3.3	ug/L	SW846 8260B
Benzene	3.8	3.3	ug/L	SW846 8260B

ANALYTICAL METHODS SUMMARY

A3I060169

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Non-Filterable Residue (TSS)	MCAWW 160.2
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

- MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.
- SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A3I060169

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
FXQ59	001	MW-506/090503	09/05/03	15:00
FXQ66	002	MW-31C/090503	09/05/03	14:08
FXQ7R	003	MW-31A/090503	09/05/03	13:00
FXQ7W	004	MW-31D/090503	09/05/03	13:20
FXQ70	005	MW-508/090503	09/05/03	10:25
FXQ71	006	MW-507/090503	09/05/03	09:55
FXQ78	007	MW-505A/090503	09/05/03	09:15
FXQ8F	008	MW-505B/090503	09/05/03	09:17
FXQ8J	009	MW-504/090503	09/05/03	08:30
FXQ89	010	DUP02/090503	09/05/03	
FXQ9E	011	FB02/090503	09/05/03	13:15
FXQ9H	012	TB04/090503	09/05/03	

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PAYNE FIRM INC.

Client Sample ID: MW-506/090503

TOTAL Metals

Lot-Sample #....: A3I060169-001
 Date Sampled....: 09/05/03 15:00 Date Received..: 09/06/03 Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 3251104						
Arsenic	0.025	0.020	mg/L	SW846 6010B	09/08-09/12/03	FXQ591AE
		Dilution Factor:	2			
Chromium	48.8	0.010	mg/L	SW846 6010B	09/08-09/12/03	FXQ591AF
		Dilution Factor:	2			
Nickel	7.6	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXQ591AG
		Dilution Factor:	1			

PAYNE FIRM INC.

Client Sample ID: MW-506/090503

DISSOLVED Metals

Lot-Sample #....: A3I060169-001 Matrix.....: WG
 Date Sampled...: 09/05/03 15:00 Date Received..: 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>				
Prep Batch #....: 3251104							
Arsenic	ND	0.010	mg/L	Dilution Factor: 1	SW846 6010B	09/08-09/11/03	FXQ591AA
Chromium	0.0084	0.0050	mg/L	Dilution Factor: 1	SW846 6010B	09/08-09/11/03	FXQ591AC
Nickel	4.0	0.040	mg/L	Dilution Factor: 1	SW846 6010B	09/08-09/11/03	FXQ591AD

PAYNE FIRM INC.

Client Sample ID: MW-506/090503

General Chemistry

Lot-Sample #....: A3I060169-001 Work Order #....: FXQ59 Matrix.....: WG
Date Sampled....: 09/05/03 15:00 Date Received...: 09/06/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	9300	40	mg/L	MCAWW 160.2	09/10/03	3253261

Dilution Factor: 10

PAYNE FIRM INC.

Client Sample ID: MW-31C/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-002 Work Order #....: FXQ661AA Matrix.....: WG
 Date Sampled...: 09/05/03 14:08 Date Received...: 09/06/03
 Prep Date.....: 09/11/03 Analysis Date...: 09/11/03
 Prep Batch #...: 3257140
 Dilution Factor: 4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	8.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Acetonitrile	ND	80	ug/L
Acrolein	ND	80	ug/L
Acrylonitrile	ND	80	ug/L
Chloroprene	ND	8.0	ug/L
3-Chloropropene	ND	8.0	ug/L
1,2-Dibromoethane	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
trans-1,4-Dichloro-2-butene	ND	4.0	ug/L
Dichlorofluoromethane	ND	8.0	ug/L
1,4-Dioxane	12000 E	800	ug/L
Ethyl methacrylate	ND	4.0	ug/L
Iodomethane	ND	4.0	ug/L
Isobutanol	ND	200	ug/L
Methacrylonitrile	ND	8.0	ug/L
Methyl methacrylate	ND	8.0	ug/L
Propionitrile	ND	16	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
Vinyl acetate	ND	8.0	ug/L
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	4.7	4.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	94	4.0	ug/L
Acetone	43	40	ug/L
Carbon disulfide	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
1,1-Dichloroethane	7.6	4.0	ug/L
1,2-Dichloroethene (total)	8.6	8.0	ug/L
Chloroform	ND	4.0	ug/L
1,2-Dichloroethane	62	4.0	ug/L
2-Butanone	ND	40	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31C/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-002 Work Order #....: FXQ661AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromodichloromethane	ND	4.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
cis-1,3-Dichloropropene	ND	4.0	ug/L
Trichloroethene	ND	4.0	ug/L
Dibromochloromethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Benzene	12	4.0	ug/L
trans-1,3-Dichloropropene	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
4-Methyl-2-pentanone	ND	40	ug/L
2-Hexanone	ND	40	ug/L
Tetrachloroethene	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
Xylenes (total)	ND	8.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Dibromofluoromethane	93	(73	- 122)
1,2-Dichloroethane-d4	89	(61	- 128)
Toluene-d8	99	(76	- 110)
4-Bromofluorobenzene	96	(74	- 116)

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

PAYNE FIRM INC.

Client Sample ID: MW-31C/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-002 Work Order #....: FXQ661AC Matrix.....: WG
 Date Sampled....: 09/05/03 14:08 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/09/03
 Prep Batch #....: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy)methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31C/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-002 Work Order #....: FXQ661AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro- 2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	11	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	66	(32 - 112)
2-Fluorobiphenyl	61	(30 - 110)
Terphenyl-d14	77	(10 - 144)
Phenol-d5	57	(10 - 113)
2-Fluorophenol	61	(13 - 110)
2,4,6-Tribromophenol	71	(21 - 122)

PAYNE FIRM INC.

Client Sample ID: MW-31A/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-003 Work Order #....: FXQ7R1AA Matrix.....: WG
 Date Sampled....: 09/05/03 13:00 Date Received...: 09/06/03
 Prep Date.....: 09/11/03 Analysis Date...: 09/11/03
 Prep Batch #....: 3257140
 Dilution Factor: 33.33 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	67	ug/L
Trichlorofluoromethane	ND	33	ug/L
Acetonitrile	ND	670	ug/L
Acrolein	ND	670	ug/L
Acrylonitrile	ND	670	ug/L
Chloroprene	ND	67	ug/L
3-Chloropropene	ND	67	ug/L
1,2-Dibromoethane	ND	33	ug/L
Dibromomethane	ND	33	ug/L
trans-1,4-Dichloro-2-butene	ND	33	ug/L
Dichlorofluoromethane	ND	67	ug/L
1,4-Dioxane	13000	6700	ug/L
Ethyl methacrylate	ND	33	ug/L
Iodomethane	ND	33	ug/L
Isobutanol	ND	1700	ug/L
Methacrylonitrile	ND	67	ug/L
Methyl methacrylate	ND	67	ug/L
Propionitrile	ND	130	ug/L
1,1,1,2-Tetrachloroethane	ND	33	ug/L
1,2,3-Trichloropropane	ND	33	ug/L
Vinyl acetate	ND	67	ug/L
Chloromethane	ND	33	ug/L
Bromomethane	ND	33	ug/L
Vinyl chloride	270	33	ug/L
Chloroethane	ND	33	ug/L
Methylene chloride	ND	33	ug/L
Acetone	ND	330	ug/L
Carbon disulfide	ND	33	ug/L
1,1-Dichloroethene	ND	33	ug/L
1,1-Dichloroethane	ND	33	ug/L
1,2-Dichloroethene (total)	780	67	ug/L
Chloroform	ND	33	ug/L
1,2-Dichloroethane	57	33	ug/L
2-Butanone	ND	330	ug/L
1,1,1-Trichloroethane	ND	33	ug/L
Carbon tetrachloride	ND	33	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31A/090503

GC/MS Volatiles

Lot-Sample #...: A3I060169-003 Work Order #...: FXQ7R1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Bromodichloromethane	ND	33	ug/L
1,2-Dichloropropane	ND	33	ug/L
cis-1,3-Dichloropropene	ND	33	ug/L
Trichloroethene	340	33	ug/L
Dibromochloromethane	ND	33	ug/L
1,1,2-Trichloroethane	ND	33	ug/L
Benzene	48	33	ug/L
trans-1,3-Dichloropropene	ND	33	ug/L
Bromoform	ND	33	ug/L
4-Methyl-2-pentanone	ND	330	ug/L
2-Hexanone	ND	330	ug/L
Tetrachloroethene	ND	33	ug/L
1,1,2,2-Tetrachloroethane	ND	33	ug/L
Toluene	ND	33	ug/L
Chlorobenzene	ND	33	ug/L
Ethylbenzene	ND	33	ug/L
Styrene	ND	33	ug/L
Xylenes (total)	ND	67	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Dibromofluoromethane	97	(73 - 122)	
1,2-Dichloroethane-d4	92	(61 - 128)	
Toluene-d8	100	(76 - 110)	
4-Bromofluorobenzene	95	(74 - 116)	

PAYNE FIRM INC.

Client Sample ID: MW-31A/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-003 Work Order #....: FXQ7R1AC Matrix.....: WG
 Date Sampled....: 09/05/03 13:00 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/09/03
 Prep Batch #....: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl)-ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy)methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31A/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-003 Work Order #....: FXQ7R1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	29	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	65	(32	- 112)
2-Fluorobiphenyl	56	(30	- 110)
Terphenyl-d14	86	(10	- 144)
Phenol-d5	58	(10	- 113)
2-Fluorophenol	65	(13	- 110)
2,4,6-Tribromophenol	82	(21	- 122)

PAYNE FIRM INC.

Client Sample ID: MW-31D/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-004 Work Order #....: FXQ7W1AA Matrix.....: WG
 Date Sampled...: 09/05/03 13:20 Date Received...: 09/06/03
 Prep Date.....: 09/11/03 Analysis Date...: 09/11/03
 Prep Batch #....: 3257140
 Dilution Factor: 3.33 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.7	ug/L
Trichlorofluoromethane	ND	3.3	ug/L
Acetonitrile	ND	67	ug/L
Acrolein	ND	67	ug/L
Acrylonitrile	ND	67	ug/L
Chloroprene	ND	6.7	ug/L
3-Chloropropene	ND	6.7	ug/L
1,2-Dibromoethane	ND	3.3	ug/L
Dibromomethane	ND	3.3	ug/L
trans-1,4-Dichloro-2-butene	ND	3.3	ug/L
Dichlorofluoromethane	ND	6.7	ug/L
1,4-Dioxane	770	670	ug/L
Ethyl methacrylate	ND	3.3	ug/L
Iodomethane	ND	3.3	ug/L
Isobutanol	ND	170	ug/L
Methacrylonitrile	ND	6.7	ug/L
Methyl methacrylate	ND	6.7	ug/L
Propionitrile	ND	13	ug/L
1,1,1,2-Tetrachloroethane	ND	3.3	ug/L
1,2,3-Trichloropropane	ND	3.3	ug/L
Vinyl acetate	ND	6.7	ug/L
Chloromethane	ND	3.3	ug/L
Bromomethane	ND	3.3	ug/L
Vinyl chloride	3.9	3.3	ug/L
Chloroethane	ND	3.3	ug/L
Methylene chloride	ND	3.3	ug/L
Acetone	ND	33	ug/L
Carbon disulfide	ND	3.3	ug/L
1,1-Dichloroethene	ND	3.3	ug/L
1,1-Dichloroethane	ND	3.3	ug/L
1,2-Dichloroethene (total)	9.1	6.7	ug/L
Chloroform	ND	3.3	ug/L
1,2-Dichloroethane	98	3.3	ug/L
2-Butanone	ND	33	ug/L
1,1,1-Trichloroethane	ND	3.3	ug/L
Carbon tetrachloride	ND	3.3	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31D/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-004 Work Order #....: FXQ7W1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromodichloromethane	ND	3.3	ug/L
1,2-Dichloropropane	ND	3.3	ug/L
cis-1,3-Dichloropropene	ND	3.3	ug/L
Trichloroethene	ND	3.3	ug/L
Dibromochloromethane	ND	3.3	ug/L
1,1,2-Trichloroethane	ND	3.3	ug/L
Benzene	3.5	3.3	ug/L
trans-1,3-Dichloropropene	ND	3.3	ug/L
Bromoform	ND	3.3	ug/L
4-Methyl-2-pentanone	ND	33	ug/L
2-Hexanone	ND	33	ug/L
Tetrachloroethene	ND	3.3	ug/L
1,1,2,2-Tetrachloroethane	ND	3.3	ug/L
Toluene	ND	3.3	ug/L
Chlorobenzene	ND	3.3	ug/L
Ethylbenzene	ND	3.3	ug/L
Styrene	ND	3.3	ug/L
Xylenes (total)	ND	6.7	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Dibromofluoromethane	91	(73	- 122)
1,2-Dichloroethane-d4	88	(61	- 128)
Toluene-d8	97	(76	- 110)
4-Bromofluorobenzene	93	(74	- 116)

PAYNE FIRM INC.

Client Sample ID: MW-31D/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-004 Work Order #....: FXQ7W1AE Matrix.....: WG
 Date Sampled....: 09/05/03 13:20 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/09/03
 Prep Batch #....: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Phenol	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-31D/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-004 Work Order #....: FXQ7W1AE Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	56	(32 - 112)	
2-Fluorobiphenyl	52	(30 - 110)	
Terphenyl-d14	86	(10 - 144)	
Phenol-d5	42	(10 - 113)	
2-Fluorophenol	49	(13 - 110)	
2,4,6-Tribromophenol	58	(21 - 122)	

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-005 Work Order #....: FXQ701AA Matrix.....: WG
 Date Sampled...: 09/05/03 10:25 Date Received...: 09/06/03
 Prep Date.....: 09/11/03 Analysis Date...: 09/11/03
 Prep Batch #....: 3257140
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Chloroprene	ND	2.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,4-Dioxane	860	200	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
Propionitrile	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-005 Work Order #....: FXQ701AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Dibromofluoromethane	95	(73	- 122)
1,2-Dichloroethane-d4	91	(61	- 128)
Toluene-d8	98	(76	- 110)
4-Bromofluorobenzene	92	(74	- 116)

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-005 Work Order #....: FXQ701AC Matrix.....: WG
Date Sampled....: 09/05/03 10:25 Date Received...: 09/06/03
Prep Date.....: 09/07/03 Analysis Date...: 09/30/03
Prep Batch #....: 3250113
Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-005 Work Order #....: FXQ701AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
p-Chlorobenzilate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-005 Work Order #....: FXQ701AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Diallate	ND	20	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
Diphenylamine	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
o-Toluidine	ND	20	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Phenacetin	ND	20	ug/L
p-Phenylenediamine	ND	100	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

GC/MS Semivolatiles

Lot-Sample #...: A3I060169-005 Work Order #...: FXQ701AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Aramite	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	74	(32	- 112)
2-Fluorobiphenyl	56	(30	- 110)
Terphenyl-d14	64	(10	- 144)
Phenol-d5	61	(10	- 113)
2-Fluorophenol	56	(13	- 110)
2,4,6-Tribromophenol	64	(21	- 122)

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

TOTAL Metals

Lot-Sample #....: A3I060169-005 **Matrix.....:** WG
Date Sampled....: 09/05/03 10:25 **Date Received..:** 09/06/03

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK
		LIMIT	UNITS	ANALYSIS DATE			
Prep Batch #....: 3251104							
Arsenic	0.011	0.010	mg/L	SW846 6010B	09/08-09/11/03	FXQ701AG	
		Dilution Factor: 1					
Chromium	2.0	0.0050	mg/L	SW846 6010B	09/08-09/11/03	FXQ701AH	
		Dilution Factor: 1					
Nickel	0.62	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXQ701AJ	
		Dilution Factor: 1					

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

DISSOLVED Metals

Lot-Sample #....: A3I060169-005
Date Sampled....: 09/05/03 10:25 Date Received...: 09/06/03

Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....: 3251104						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/08-09/11/03	FXQ701AD
		Dilution Factor:	1			
Chromium	ND	0.0050	mg/L	SW846 6010B	09/08-09/11/03	FXQ701AE
		Dilution Factor:	1			
Nickel	0.053	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXQ701AF
		Dilution Factor:	1			

PAYNE FIRM INC.

Client Sample ID: MW-508/090503

General Chemistry

Lot-Sample #....: A3I060169-005 Work Order #....: FXQ70 Matrix.....: WG
Date Sampled....: 09/05/03 10:25 Date Received...: 09/06/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Solids	43	4.0	mg/L	MCAWW 160.2	09/10/03	3253261

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-006 Work Order #....: FXQ711AA Matrix.....: WG
 Date Sampled....: 09/05/03 09:55 Date Received...: 09/06/03
 Prep Date.....: 09/11/03 Analysis Date...: 09/11/03
 Prep Batch #....: 3257140
 Dilution Factor: 1 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Chloroprene	ND	2.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
Propionitrile	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-006 Work Order #....: FXQ711AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
		(73 - 122)	
Dibromofluoromethane	94	(61 - 128)	
1,2-Dichloroethane-d4	91	(76 - 110)	
Toluene-d8	100	(74 - 116)	
4-Bromofluorobenzene	94		

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-006 **Work Order #....:** FXQ712AC **Matrix.....:** WG
Date Sampled....: 09/05/03 09:55 **Date Received...:** 09/06/03
Prep Date.....: 09/10/03 **Analysis Date...:** 09/30/03
Prep Batch #....: 3253236
Dilution Factor: 1 **Method.....:** SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Phenol	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro- propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	50	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
2,4,5-Trichloro- phenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-006 Work Order #....: FXQ712AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
p-Chlorobenzilate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-006 Work Order #....: FXQ712AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Diallate	ND	20	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
Diphenylamine	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
o-Toluidine	ND	20	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosomethylmethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Phenacetin	ND	20	ug/L
p-Phenylenediamine	ND	100	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-006 Work Order #....: FXQ712AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Aramite	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	74	(32	- 112)
2-Fluorobiphenyl	55	(30	- 110)
Terphenyl-d14	46	(10	- 144)
Phenol-d5	60	(10	- 113)
2-Fluorophenol	55	(13	- 110)
2,4,6-Tribromophenol	60	(21	- 122)

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

TOTAL Metals

Lot-Sample #....: A3I060169-006

Matrix.....: WG

Date Sampled....: 09/05/03 09:55 **Date Received..:** 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
Prep Batch #....: 3251104						
Arsenic	0.12	0.010	mg/L	SW846 6010B	09/08-09/11/03	FXQ711AG
		Dilution Factor:	1			
Chromium	0.051	0.0050	mg/L	SW846 6010B	09/08-09/11/03	FXQ711AH
		Dilution Factor:	1			
Nickel	0.062	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXQ711AJ
		Dilution Factor:	1			

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

DISSOLVED Metals

Lot-Sample #...: A3I060169-006

Matrix.....: WG

Date Sampled...: 09/05/03 09:55 Date Received..: 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>ANALYSIS DATE</u>		<u>ORDER #</u>	
Prep Batch #...: 3251104							
Arsenic	ND	0.010	mg/L	SW846 6010B	Dilution Factor: 1	09/08-09/11/03	FXQ711AD
Chromium	ND	0.0050	mg/L	SW846 6010B	Dilution Factor: 1	09/08-09/11/03	FXQ711AE
Nickel	ND	0.040	mg/L	SW846 6010B	Dilution Factor: 1	09/08-09/11/03	FXQ711AF

PAYNE FIRM INC.

Client Sample ID: MW-507/090503

General Chemistry

Lot-Sample #...: A3I060169-006 Work Order #...: FXQ71 Matrix.....: WG
Date Sampled...: 09/05/03 09:55 Date Received...: 09/06/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Solids	280	4.0	mg/L	MCAWW 160.2	09/10/03	3253261

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-007 **Work Order #....:** FXQ781AA **Matrix.....:** WG
Date Sampled....: 09/05/03 09:15 **Date Received...:** 09/06/03
Prep Date.....: 09/11/03 **Analysis Date...:** 09/11/03
Prep Batch #....: 3257140
Dilution Factor: 5 **Method.....:** SW846 8260B

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L
Trichlorofluoromethane	ND	5.0	ug/L
Acetonitrile	ND	100	ug/L
Acrolein	ND	100	ug/L
Acrylonitrile	ND	100	ug/L
Chloroprene	ND	10	ug/L
3-Chloropropene	ND	10	ug/L
1,2-Dibromoethane	ND	5.0	ug/L
Dibromomethane	ND	5.0	ug/L
trans-1,4-Dichloro-2-butene	ND	5.0	ug/L
Dichlorofluoromethane	ND	10	ug/L
1,4-Dioxane	3400	1000	ug/L
Ethyl methacrylate	ND	5.0	ug/L
Iodomethane	ND	5.0	ug/L
Isobutanol	ND	250	ug/L
Methacrylonitrile	ND	10	ug/L
Methyl methacrylate	ND	10	ug/L
Propionitrile	ND	20	ug/L
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L
1,2,3-Trichloropropane	ND	5.0	ug/L
Vinyl acetate	ND	10	ug/L
Chloromethane	ND	5.0	ug/L
Bromomethane	ND	5.0	ug/L
Vinyl chloride	83	5.0	ug/L
Chloroethane	ND	5.0	ug/L
Methylene chloride	ND	5.0	ug/L
Acetone	ND	50	ug/L
Carbon disulfide	ND	5.0	ug/L
1,1-Dichloroethene	ND	5.0	ug/L
1,1-Dichloroethane	ND	5.0	ug/L
1,2-Dichloroethene (total)	130	10	ug/L
Chloroform	ND	5.0	ug/L
1,2-Dichloroethane	8.2	5.0	ug/L
2-Butanone	ND	50	ug/L
1,1,1-Trichloroethane	ND	5.0	ug/L
Carbon tetrachloride	ND	5.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-007 Work Order #....: FXQ781AA Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Bromodichloromethane	ND	5.0	ug/L
1,2-Dichloropropane	ND	5.0	ug/L
cis-1,3-Dichloropropene	ND	5.0	ug/L
Trichloroethene	ND	5.0	ug/L
Dibromochloromethane	ND	5.0	ug/L
1,1,2-Trichloroethane	ND	5.0	ug/L
Benzene	ND	5.0	ug/L
trans-1,3-Dichloropropene	ND	5.0	ug/L
Bromoform	ND	5.0	ug/L
4-Methyl-2-pentanone	ND	50	ug/L
2-Hexanone	ND	50	ug/L
Tetrachloroethene	ND	5.0	ug/L
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L
Toluene	ND	5.0	ug/L
Chlorobenzene	ND	5.0	ug/L
Ethylbenzene	ND	5.0	ug/L
Styrene	ND	5.0	ug/L
Xylenes (total)	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Dibromofluoromethane	93	(73	- 122)
1,2-Dichloroethane-d4	94	(61	- 128)
Toluene-d8	101	(76	- 110)
4-Bromofluorobenzene	98	(74	- 116)

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-007 Work Order #....: FXQ781AC Matrix.....: WG
 Date Sampled....: 09/05/03 09:15 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/30/03
 Prep Batch #....: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) - ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl-amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

GC/MS Semivolatiles

Lot-Sample #...: A3I060169-007 Work Order #: FXQ781AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2, 4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2, 4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4, 6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3, 3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1, 2, 3-cd)pyrene	ND	10	ug/L
Dibenz(a, h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
p-Chlorobenzilate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-007 Work Order #....: FXQ781AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
Diallate	ND	20	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
Diphenylamine	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
o-Toluidine	ND	20	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosomethylmethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Phenacetin	ND	20	ug/L
p-Phenylenediamine	ND	100	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-007 Work Order #....: FXQ781AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Aramite	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	76	(32	- 112)
2-Fluorobiphenyl	55	(30	- 110)
Terphenyl-d14	55	(10	- 144)
Phenol-d5	61	(10	- 113)
2-Fluorophenol	55	(13	- 110)
2,4,6-Tribromophenol	62	(21	- 122)

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

TOTAL Metals

Lot-Sample #...: A3I060169-007

Matrix.....: WG

Date Sampled...: 09/05/03 09:15 Date Received..: 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	REPORTING			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u> </u>			
Prep Batch #...: 3251104							
Arsenic	0.014	0.010	mg/L		SW846 6010B	09/08-09/11/03	FXQ781AG
		Dilution Factor: 1					
Chromium	1.1	0.0050	mg/L		SW846 6010B	09/08-09/11/03	FXQ781AH
		Dilution Factor: 1					
Nickel	0.19	0.040	mg/L		SW846 6010B	09/08-09/11/03	FXQ781AJ
		Dilution Factor: 1					

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

DISSOLVED Metals

Lot-Sample #....: A3I060169-007

Matrix.....: WG

Date Sampled...: 09/05/03 09:15 Date Received..: 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 3251104						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/08-09/11/03	FXQ781AD
		Dilution Factor: 1				
Chromium	ND	0.0050	mg/L	SW846 6010B	09/08-09/11/03	FXQ781AE
		Dilution Factor: 1				
Nickel	ND	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXQ781AF
		Dilution Factor: 1				

PAYNE FIRM INC.

Client Sample ID: MW-505A/090503

General Chemistry

Lot-Sample #....: A3I060169-007 Work Order #....: FXQ78 Matrix.....: WG
Date Sampled....: 09/05/03 09:15 Date Received...: 09/06/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
Total Suspended Solids	140	4.0	mg/L	MCANW 160.2	09/10/03	3253261

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F1AA Matrix.....: WG
 Date Sampled....: 09/05/03 09:17 Date Received...: 09/06/03
 Prep Date.....: 09/11/03 Analysis Date...: 09/11/03
 Prep Batch #....: 3257140
 Dilution Factor: 4 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	8.0	ug/L
Trichlorofluoromethane	ND	4.0	ug/L
Acetonitrile	ND	80	ug/L
Acrolein	ND	80	ug/L
Acrylonitrile	ND	80	ug/L
Chloroprene	ND	8.0	ug/L
3-Chloropropene	ND	8.0	ug/L
1,2-Dibromoethane	ND	4.0	ug/L
Dibromomethane	ND	4.0	ug/L
trans-1,4-Dichloro-2-butene	ND	4.0	ug/L
Dichlorofluoromethane	ND	8.0	ug/L
1,4-Dioxane	9000 E	800	ug/L
Ethyl methacrylate	ND	4.0	ug/L
Iodomethane	ND	4.0	ug/L
Isobutanol	ND	200	ug/L
Methacrylonitrile	ND	8.0	ug/L
Methyl methacrylate	ND	8.0	ug/L
Propionitrile	ND	16	ug/L
1,1,1,2-Tetrachloroethane	ND	4.0	ug/L
1,2,3-Trichloropropane	ND	4.0	ug/L
Vinyl acetate	ND	8.0	ug/L
Chloromethane	ND	4.0	ug/L
Bromomethane	ND	4.0	ug/L
Vinyl chloride	35	4.0	ug/L
Chloroethane	ND	4.0	ug/L
Methylene chloride	ND	4.0	ug/L
Acetone	ND	40	ug/L
Carbon disulfide	ND	4.0	ug/L
1,1-Dichloroethene	ND	4.0	ug/L
1,1-Dichloroethane	ND	4.0	ug/L
1,2-Dichloroethene (total)	45	8.0	ug/L
Chloroform	ND	4.0	ug/L
1,2-Dichloroethane	5.4	4.0	ug/L
2-Butanone	ND	40	ug/L
1,1,1-Trichloroethane	ND	4.0	ug/L
Carbon tetrachloride	ND	4.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F1AA Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Bromodichloromethane	ND	4.0	ug/L
1,2-Dichloropropane	ND	4.0	ug/L
cis-1,3-Dichloropropene	ND	4.0	ug/L
Trichloroethene	ND	4.0	ug/L
Dibromochloromethane	ND	4.0	ug/L
1,1,2-Trichloroethane	ND	4.0	ug/L
Benzene	ND	4.0	ug/L
trans-1,3-Dichloropropene	ND	4.0	ug/L
Bromoform	ND	4.0	ug/L
4-Methyl-2-pentanone	ND	40	ug/L
2-Hexanone	ND	40	ug/L
Tetrachloroethene	ND	4.0	ug/L
1,1,2,2-Tetrachloroethane	ND	4.0	ug/L
Toluene	ND	4.0	ug/L
Chlorobenzene	ND	4.0	ug/L
Ethylbenzene	ND	4.0	ug/L
Styrene	ND	4.0	ug/L
Xylenes (total)	ND	8.0	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(73 - 122)
1,2-Dichloroethane-d4	92	(61 - 128)
Toluene-d8	99	(76 - 110)
4-Bromofluorobenzene	97	(74 - 116)

NOTE(S) :

E Estimated result. Result concentration exceeds the calibration range.

Elevated reporting limits due to TICs.

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F1AC Matrix.....: WG
 Date Sampled....: 09/05/03 09:17 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/30/03
 Prep Batch #....: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl) - ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichlorobenzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopentadiene	ND	50	ug/L
2,4,6-Trichlorophenol	ND	10	ug/L
2,4,5-Trichlorophenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
Acetophenone	ND	10	ug/L
2-Acetylaminofluorene	ND	100	ug/L
4-Aminobiphenyl	ND	50	ug/L
Aniline	ND	10	ug/L
Benzyl alcohol	ND	10	ug/L
p-Chlorobenzilate	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Diallate	ND	20	ug/L
2,6-Dichlorophenol	ND	10	ug/L
Dimethoate	ND	20	ug/L
p-Dimethylaminoazobenzene	ND	20	ug/L
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L
3,3'-Dimethylbenzidine	ND	50	ug/L
alpha,alpha-Dimethylphenethylamine	ND	50	ug/L
1,3-Dinitrobenzene	ND	10	ug/L
Diphenylamine	ND	10	ug/L
Ethyl methanesulfonate	ND	10	ug/L
Hexachloropropene	ND	100	ug/L
Isosafrole	ND	20	ug/L
Methapyrilene	ND	50	ug/L
o-Toluidine	ND	20	ug/L
3-Methylcholanthrene	ND	20	ug/L
Methyl methanesulfonate	ND	10	ug/L
3-Methylphenol	ND	10	ug/L
1,4-Naphthoquinone	ND	50	ug/L
1-Naphthylamine	ND	10	ug/L
2-Naphthylamine	ND	10	ug/L
4-Nitroquinoline-1-oxide	ND	100	ug/L
N-Nitrosodi-n-butylamine	ND	10	ug/L
N-Nitrosodiethylamine	ND	10	ug/L
N-Nitrosodimethylamine	ND	10	ug/L
N-Nitrosomethylethylamine	ND	10	ug/L
N-Nitrosomorpholine	ND	10	ug/L
N-Nitrosopiperidine	ND	10	ug/L
N-Nitrosopyrrolidine	ND	10	ug/L
5-Nitro-o-toluidine	ND	20	ug/L
Pentachlorobenzene	ND	10	ug/L
Pentachloroethane	ND	50	ug/L
Pentachloronitrobenzene	ND	50	ug/L
Phenacetin	ND	20	ug/L
p-Phenylenediamine	ND	100	ug/L
2-Picoline	ND	20	ug/L
Pronamide	ND	20	ug/L
Pyridine	ND	20	ug/L
Safrole	ND	20	ug/L
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F1AC Matrix.....: WG

PARAMETER	RESULT	REPORTING	
		LIMIT	UNITS
2,3,4,6-Tetrachlorophenol	ND	50	ug/L
1,3,5-Trinitrobenzene	ND	50	ug/L
Aramite	ND	10	ug/L

SURROGATE	PERCENT RECOVERY	RECOVERY	
		LIMITS	
Nitrobenzene-d5	81	(32	- 112)
2-Fluorobiphenyl	62	(30	- 110)
Terphenyl-d14	61	(10	- 144)
Phenol-d5	65	(10	- 113)
2-Fluorophenol	60	(13	- 110)
2,4,6-Tribromophenol	68	(21	- 122)

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

TOTAL Metals

Lot-Sample #....: A3I060169-008 **Matrix.....:** WG
Date Sampled....: 09/05/03 09:17 **Date Received..:** 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 3251104						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/08-09/11/03	FXQ8F1AG
		Dilution Factor: 1				
Chromium	0.026	0.0050	mg/L	SW846 6010B	09/08-09/11/03	FXQ8F1AH
		Dilution Factor: 1				
Nickel	0.11	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXQ8F1AJ
		Dilution Factor: 1				

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

DISSOLVED Metals

Lot-Sample #....: A3I060169-008

Matrix.....: WG

Date Sampled...: 09/05/03 09:17 Date Received..: 09/06/03

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u>	<u>WORK</u>
		<u>LIMIT</u>	<u>UNITS</u>			<u>ANALYSIS DATE</u>	<u>ORDER #</u>
Prep Batch #....: 3251104							
Arsenic	ND	0.010	mg/L	Dilution Factor: 1	SW846 6010B	09/08-09/12/03	FXQ8F1AD
Chromium	ND	0.0050	mg/L	Dilution Factor: 1	SW846 6010B	09/08-09/12/03	FXQ8F1AE
Nickel	0.073	0.040	mg/L	Dilution Factor: 1	SW846 6010B	09/08-09/12/03	FXQ8F1AF

PAYNE FIRM INC.

Client Sample ID: MW-505B/090503

General Chemistry

Lot-Sample #....: A3I060169-008 Work Order #....: FXQ8F Matrix.....: WG
Date Sampled....: 09/05/03 09:17 Date Received...: 09/06/03

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Solids	87	4.0	mg/L	MCAWW 160.2	09/10/03	3253261

Dilution Factor: 1

PAYNE FIRM INC.

Client Sample ID: MW-504/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-009 Work Order #....: FXQ8J1AA Matrix.....: WG
 Date Sampled....: 09/05/03 08:30 Date Received...: 09/06/03
 Prep Date.....: 09/12/03 Analysis Date...: 09/12/03
 Prep Batch #....: 3257140
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Chloroprene	ND	2.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
Propionitrile	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	4.4	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L

.. (Continued on next page)

PAYNE FIRM INC.

Client Sample ID: MW-504/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-009 Work Order #....: FXQ8J1AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	1.7	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Dibromofluoromethane	94	(73 - 122)	
1,2-Dichloroethane-d4	91	(61 - 128)	
Toluene-d8	99	(76 - 110)	
4-Bromofluorobenzene	94	(74 - 116)	

PAYNE FIRM INC.

Client Sample ID: DUP02/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-010 Work Order #....: FXQ891AA Matrix.....: WG
 Date Sampled....: 09/05/03 Date Received...: 09/06/03
 Prep Date.....: 09/12/03 Analysis Date...: 09/12/03
 Prep Batch #....: 3257140
 Dilution Factor: 3.33 Method.....: SW846 8260B

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
1,2-Dibromo-3-chloropropane (DBCP)	ND	6.7	ug/L
Trichlorofluoromethane	ND	3.3	ug/L
Acetonitrile	ND	67	ug/L
Acrolein	ND	67	ug/L
Acrylonitrile	ND	67	ug/L
Chloroprene	ND	6.7	ug/L
3-Chloropropene	ND	6.7	ug/L
1,2-Dibromoethane	ND	3.3	ug/L
Dibromomethane	ND	3.3	ug/L
trans-1,4-Dichloro-2-butene	ND	3.3	ug/L
Dichlorofluoromethane	ND	6.7	ug/L
1,4-Dioxane	710	670	ug/L
Ethyl methacrylate	ND	3.3	ug/L
Iodomethane	ND	3.3	ug/L
Isobutanol	ND	170	ug/L
Methacrylonitrile	ND	6.7	ug/L
Methyl methacrylate	ND	6.7	ug/L
Propionitrile	ND	13	ug/L
1,1,1,2-Tetrachloroethane	ND	3.3	ug/L
1,2,3-Trichloropropane	ND	3.3	ug/L
Vinyl acetate	ND	6.7	ug/L
Chloromethane	ND	3.3	ug/L
Bromomethane	ND	3.3	ug/L
Vinyl chloride	3.9	3.3	ug/L
Chloroethane	ND	3.3	ug/L
Methylene chloride	ND	3.3	ug/L
Acetone	ND	33	ug/L
Carbon disulfide	ND	3.3	ug/L
1,1-Dichloroethene	ND	3.3	ug/L
1,1-Dichloroethane	ND	3.3	ug/L
1,2-Dichloroethene (total)	9.9	6.7	ug/L
Chloroform	ND	3.3	ug/L
1,2-Dichloroethane	78	3.3	ug/L
2-Butanone	ND	33	ug/L
1,1,1-Trichloroethane	ND	3.3	ug/L
Carbon tetrachloride	ND	3.3	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP02/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-010 Work Order #....: FXQ891AA Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Bromodichloromethane	ND	3.3	ug/L
1,2-Dichloropropane	ND	3.3	ug/L
cis-1,3-Dichloropropene	ND	3.3	ug/L
Trichloroethene	ND	3.3	ug/L
Dibromochloromethane	ND	3.3	ug/L
1,1,2-Trichloroethane	ND	3.3	ug/L
Benzene	3.8	3.3	ug/L
trans-1,3-Dichloropropene	ND	3.3	ug/L
Bromoform	ND	3.3	ug/L
4-Methyl-2-pentanone	ND	3.3	ug/L
2-Hexanone	ND	3.3	ug/L
Tetrachloroethene	ND	3.3	ug/L
1,1,2,2-Tetrachloroethane	ND	3.3	ug/L
Toluene	ND	3.3	ug/L
Chlorobenzene	ND	3.3	ug/L
Ethylbenzene	ND	3.3	ug/L
Styrene	ND	3.3	ug/L
Xylenes (total)	ND	6.7	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	94	(73 - 122)
1,2-Dichloroethane-d4	102	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	95	(74 - 116)

PAYNE FIRM INC.

Client Sample ID: DUP02/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-010 Work Order #....: FXQ891AC Matrix.....: WG
 Date Sampled...: 09/05/03 Date Received..: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/09/03
 Prep Batch #...: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Phenol	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloro- propane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy) methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	50	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
2,4,5-Trichloro- phenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: DUP02/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-010 Work Order #....: FXQ891AC Matrix.....: WG

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrrene	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	66	(32 - 112)
2-Fluorobiphenyl	63	(30 - 110)
Terphenyl-d14	114	(10 - 144)
Phenol-d5	58	(10 - 113)
2-Fluorophenol	63	(13 - 110)
2,4,6-Tribromophenol	79	(21 - 122)

PAYNE FIRM INC.

Client Sample ID: FB02/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-011 Work Order #....: FXQ9E1AA Matrix.....: WQ
 Date Sampled....: 09/05/03 13:15 Date Received...: 09/06/03
 Prep Date.....: 09/12/03 Analysis Date...: 09/12/03
 Prep Batch #....: 3257140
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Chloroprene	ND	2.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
Propionitrile	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB02/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-011 Work Order #....: FXQ9E1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Dibromofluoromethane	93	(73 - 122)	
1,2-Dichloroethane-d4	90	(61 - 128)	
Toluene-d8	98	(76 - 110)	
4-Bromofluorobenzene	95	(74 - 116)	

PAYNE FIRM INC.

Client Sample ID: FB02/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-011 Work Order #....: FXQ9E1AC Matrix.....: WQ
 Date Sampled...: 09/05/03 13:15 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date...: 09/09/03
 Prep Batch #....: 3250113
 Dilution Factor: 1 Method.....: SW846 8270C

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Phenol	ND	10	ug/L
bis(2-Chloroethyl)- ether	ND	10	ug/L
2-Chlorophenol	ND	10	ug/L
1,3-Dichlorobenzene	ND	10	ug/L
1,4-Dichlorobenzene	ND	10	ug/L
1,2-Dichlorobenzene	ND	10	ug/L
2-Methylphenol	ND	10	ug/L
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L
4-Methylphenol	ND	10	ug/L
N-Nitrosodi-n-propyl- amine	ND	10	ug/L
Hexachloroethane	ND	10	ug/L
Nitrobenzene	ND	10	ug/L
Isophorone	ND	10	ug/L
2-Nitrophenol	ND	10	ug/L
2,4-Dimethylphenol	ND	10	ug/L
bis(2-Chloroethoxy)- methane	ND	10	ug/L
2,4-Dichlorophenol	ND	10	ug/L
1,2,4-Trichloro- benzene	ND	10	ug/L
Naphthalene	ND	10	ug/L
4-Chloroaniline	ND	10	ug/L
Hexachlorobutadiene	ND	10	ug/L
4-Chloro-3-methylphenol	ND	10	ug/L
2-Methylnaphthalene	ND	10	ug/L
Hexachlorocyclopenta- diene	ND	50	ug/L
2,4,6-Trichloro- phenol	ND	10	ug/L
2,4,5-Trichloro- phenol	ND	10	ug/L
2-Chloronaphthalene	ND	10	ug/L
2-Nitroaniline	ND	50	ug/L
Dimethyl phthalate	ND	10	ug/L
Acenaphthylene	ND	10	ug/L
2,6-Dinitrotoluene	ND	10	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: FB02/090503

GC/MS Semivolatiles

Lot-Sample #....: A3I060169-011 Work Order #....: FXQ9E1AC Matrix.....: WQ

PARAMETER	RESULT	REPORTING LIMIT	UNITS
3-Nitroaniline	ND	50	ug/L
Acenaphthene	ND	10	ug/L
2,4-Dinitrophenol	ND	50	ug/L
4-Nitrophenol	ND	50	ug/L
Dibenzofuran	ND	10	ug/L
2,4-Dinitrotoluene	ND	10	ug/L
Diethyl phthalate	ND	10	ug/L
4-Chlorophenyl phenyl ether	ND	10	ug/L
Fluorene	ND	10	ug/L
4-Nitroaniline	ND	50	ug/L
4,6-Dinitro-2-methylphenol	ND	50	ug/L
N-Nitrosodiphenylamine	ND	10	ug/L
4-Bromophenyl phenyl ether	ND	10	ug/L
Hexachlorobenzene	ND	10	ug/L
Pentachlorophenol	ND	10	ug/L
Phenanthrone	ND	10	ug/L
Anthracene	ND	10	ug/L
Carbazole	ND	10	ug/L
Di-n-butyl phthalate	ND	10	ug/L
Fluoranthene	ND	10	ug/L
Pyrene	ND	10	ug/L
Butyl benzyl phthalate	ND	10	ug/L
3,3'-Dichlorobenzidine	ND	50	ug/L
Benzo(a)anthracene	ND	10	ug/L
Chrysene	ND	10	ug/L
bis(2-Ethylhexyl) phthalate	ND	10	ug/L
Di-n-octyl phthalate	ND	10	ug/L
Benzo(b)fluoranthene	ND	10	ug/L
Benzo(k)fluoranthene	ND	10	ug/L
Benzo(a)pyrene	ND	10	ug/L
Indeno(1,2,3-cd)pyrene	ND	10	ug/L
Dibenz(a,h)anthracene	ND	10	ug/L
Benzo(ghi)perylene	ND	10	ug/L
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS	
Nitrobenzene-d5	70	(32 - 112)	
2-Fluorobiphenyl	59	(30 - 110)	
Terphenyl-d14	101	(10 - 144)	
Phenol-d5	51	(10 - 113)	
2-Fluorophenol	60	(13 - 110)	
2,4,6-Tribromophenol	59	(21 - 122)	

PAYNE FIRM INC.

Client Sample ID: TB04/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-012 Work Order #....: FXQ9H1AA Matrix.....: WQ
 Date Sampled....: 09/05/03 Date Received...: 09/06/03
 Prep Date.....: 09/12/03 Analysis Date...: 09/12/03
 Prep Batch #....: 3257140
 Dilution Factor: 1 Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L
Trichlorofluoromethane	ND	1.0	ug/L
Acetonitrile	ND	20	ug/L
Acrolein	ND	20	ug/L
Acrylonitrile	ND	20	ug/L
Chloroprene	ND	2.0	ug/L
3-Chloropropene	ND	2.0	ug/L
1,2-Dibromoethane	ND	1.0	ug/L
Dibromomethane	ND	1.0	ug/L
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L
Dichlorofluoromethane	ND	2.0	ug/L
1,4-Dioxane	ND	200	ug/L
Ethyl methacrylate	ND	1.0	ug/L
Iodomethane	ND	1.0	ug/L
Isobutanol	ND	50	ug/L
Methacrylonitrile	ND	2.0	ug/L
Methyl methacrylate	ND	2.0	ug/L
Propionitrile	ND	4.0	ug/L
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L
1,2,3-Trichloropropane	ND	1.0	ug/L
Vinyl acetate	ND	2.0	ug/L
Chloromethane	ND	1.0	ug/L
Bromomethane	ND	1.0	ug/L
Vinyl chloride	ND	1.0	ug/L
Chloroethane	ND	1.0	ug/L
Methylene chloride	ND	1.0	ug/L
Acetone	ND	10	ug/L
Carbon disulfide	ND	1.0	ug/L
1,1-Dichloroethene	ND	1.0	ug/L
1,1-Dichloroethane	ND	1.0	ug/L
1,2-Dichloroethene (total)	ND	2.0	ug/L
Chloroform	ND	1.0	ug/L
1,2-Dichloroethane	ND	1.0	ug/L
2-Butanone	ND	10	ug/L
1,1,1-Trichloroethane	ND	1.0	ug/L
Carbon tetrachloride	ND	1.0	ug/L

(Continued on next page)

PAYNE FIRM INC.

Client Sample ID: TB04/090503

GC/MS Volatiles

Lot-Sample #....: A3I060169-012 Work Order #....: FXQ9H1AA Matrix.....: WQ

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>
Bromodichloromethane	ND	1.0	ug/L
1,2-Dichloropropane	ND	1.0	ug/L
cis-1,3-Dichloropropene	ND	1.0	ug/L
Trichloroethene	ND	1.0	ug/L
Dibromochloromethane	ND	1.0	ug/L
1,1,2-Trichloroethane	ND	1.0	ug/L
Benzene	ND	1.0	ug/L
trans-1,3-Dichloropropene	ND	1.0	ug/L
Bromoform	ND	1.0	ug/L
4-Methyl-2-pentanone	ND	10	ug/L
2-Hexanone	ND	10	ug/L
Tetrachloroethene	ND	1.0	ug/L
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L
Toluene	ND	1.0	ug/L
Chlorobenzene	ND	1.0	ug/L
Ethylbenzene	ND	1.0	ug/L
Styrene	ND	1.0	ug/L
Xylenes (total)	ND	2.0	ug/L

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Dibromofluoromethane	93	(73 - 122)
1,2-Dichloroethane-d4	88	(61 - 128)
Toluene-d8	98	(76 - 110)
4-Bromofluorobenzene	91	(74 - 116)

QUALITY CONTROL SECTION

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: A3I060169 **Work Order #....:** F0A861AA **Matrix.....:** WATER
MB Lot-Sample #: A3I140000-140 **Prep Date.....:** 09/11/03
Analysis Date..: 09/11/03 **Prep Batch #....:** 3257140
Dilution Factor: 1

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	2.0	ug/L	SW846 8260B
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Chloroprene	ND	2.0	ug/L	SW846 8260B
3-Chloropropene	ND	2.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutanol	ND	50	ug/L	SW846 8260B
Methacrylonitrile	ND	2.0	ug/L	SW846 8260B
Methyl methacrylate	ND	2.0	ug/L	SW846 8260B
Propionitrile	ND	4.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	2.0	ug/L	SW846 8260B
Chloromethane	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	1.0	ug/L	SW846 8260B
Acetone	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethene (total)	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
2-Butanone	ND	10	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #....: A3I060169

Work Order #....: F0A861AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	2.0	ug/L	SW846 8260B
SURROGATE	PERCENT RECOVERY	RECOVERY		LIMITS
Dibromofluoromethane	96	(73 - 122)		
1,2-Dichloroethane-d4	92	(61 - 128)		
Toluene-d8	100	(76 - 110)		
4-Bromofluorobenzene	95	(74 - 116)		

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169 **Work Order #....:** FXRWA1AA **Matrix.....:** WATER
MB Lot-Sample #: A3I070000-113
Analysis Date..: 09/30/03 **Prep Date.....:** 09/07/03
Dilution Factor: 1 **Prep Batch #....:** 3250113

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)- ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloro- propane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl- amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy)- methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro- benzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopenta- diene	ND	50	ug/L	SW846 8270C
2,4,6-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro- phenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169

Work Order #....: FXRWA1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	10	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
p-Chlorobenzilate	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169

Work Order #....: FXRWA1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L	SW846 8270C
alpha,alpha-Dimethylphene	ND	50	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
o-Toluidine	ND	20	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
3-Methylphenol	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L	SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylalkylamine	ND	10	ug/L	SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloroethane	ND	50	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
p-Phenylenediamine	ND	100	ug/L	SW846 8270C
2-Picoline	ND	20	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyridine	ND	20	ug/L	SW846 8270C
Safrole	ND	20	ug/L	SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C
Aramite	ND	10	ug/L	SW846 8270C

SURROGATE
Nitrobenzene-d5

PERCENT RECOVERY	RECOVERY LIMITS (32 - 112)
66	..

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169

Work Order #....: FXRWA1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2-Fluorobiphenyl	48		(30 - 110)		
Terphenyl-d14	60		(10 - 144)		
Phenol-d5	51		(10 - 113)		
2-Fluorophenol	49		(13 - 110)		
2,4,6-Tribromophenol	46		(21 - 122)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169
MB Lot-Sample #: A3I100000-236

Work Order #....: FX0HD1AA

Matrix.....: WATER

Analysis Date..: 09/30/03
Dilution Factor: 1

Prep Date.....: 09/10/03
Prep Batch #....: 3253236

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
Phenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
1,3-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8270C
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	SW846 8270C
4-Methylphenol	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy)methane	ND	10	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
1,2,4-Trichlorobenzene	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
2,4,6-Trichlorophenol	ND	10	ug/L	SW846 8270C
2,4,5-Trichlorophenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
Acenaphthene	ND	10	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A3I060169

Work Order #...: FX0HD1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachlorophenol	ND	10	ug/L	SW846 8270C
Phenanthrrene	ND	10	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Carbazole	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Aniline	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
p-Chlorobenzilate	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
p-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: A3I060169

Work Order #...: FX0HD1AA

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD
		LIMIT	UNITS		
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L		SW846 8270C
3,3'-Dimethylbenzidine	ND	50	ug/L		SW846 8270C
alpha,alpha-Dimethylphene	ND	50	ug/L		SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L		SW846 8270C
Diphenylamine	ND	10	ug/L		SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L		SW846 8270C
Hexachloropropene	ND	100	ug/L		SW846 8270C
Isosafrole	ND	20	ug/L		SW846 8270C
Methapyrilene	ND	50	ug/L		SW846 8270C
o-Toluidine	ND	20	ug/L		SW846 8270C
3-Methylcholanthrene	ND	20	ug/L		SW846 8270C
Methyl methanesulfonate	ND	10	ug/L		SW846 8270C
3-Methylphenol	ND	10	ug/L		SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L		SW846 8270C
1-Naphthylamine	ND	10	ug/L		SW846 8270C
2-Naphthylamine	ND	10	ug/L		SW846 8270C
4-Nitroquinoline-1-oxide	ND	100	ug/L		SW846 8270C
N-Nitrosodi-n-butylamine	ND	10	ug/L		SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L		SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L		SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L		SW846 8270C
N-Nitrosomorpholine	ND	10	ug/L		SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L		SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L		SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L		SW846 8270C
Pentachlorobenzene	ND	10	ug/L		SW846 8270C
Pentachloroethane	ND	50	ug/L		SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L		SW846 8270C
Phenacetin	ND	20	ug/L		SW846 8270C
p-Phenylenediamine	ND	100	ug/L		SW846 8270C
2-Picoline	ND	20	ug/L		SW846 8270C
Pronamide	ND	20	ug/L		SW846 8270C
Pyridine	ND	20	ug/L		SW846 8270C
Safrole	ND	20	ug/L		SW846 8270C
1,2,4,5-Tetrachlorobenzene	ND	10	ug/L		SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L		SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L		SW846 8270C
Aramite	ND	10	ug/L		SW846 8270C
SURROGATE		PERCENT	RECOVERY		
Nitrobenzene-d5		RECOVERY LIMITS (32 - 112)			

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169

Work Order #....: FX0HD1AA

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
2-Fluorobiphenyl	54		(30 - 110)		
Terphenyl-d14	67		(10 - 144)		
Phenol-d5	59		(10 - 113)		
2-Fluorophenol	56		(13 - 110)		
2,4,6-Tribromophenol	49		(21 - 122)		

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: A3I060169

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ORDER #
		LIMIT	UNITS					
MB Lot-Sample #: A3I080000-104 Prep Batch #....: 3251104								
Arsenic	ND	0.010	mg/L	SW846 6010B		09/08-09/11/03	FXRXD1DA	
		Dilution Factor:	1					
Chromium	ND	0.0050	mg/L	SW846 6010B		09/08-09/11/03	FXRXD1DC	
		Dilution Factor:	1					
Nickel	ND	0.040	mg/L	SW846 6010B		09/08-09/11/03	FXRXD1DD	
		Dilution Factor:	1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #....: A3I060169

Matrix.....: WATER

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MB Lot-Sample #: A3I080000-104 Prep Batch #....: 3251104						
Arsenic	ND	0.010	mg/L	SW846 6010B	09/08-09/11/03	FXRXD1C7
		Dilution Factor: 1				
Chromium	ND	0.0050	mg/L	SW846 6010B	09/08-09/11/03	FXRXD1C8
		Dilution Factor: 1				
Nickel	ND	0.040	mg/L	SW846 6010B	09/08-09/11/03	FXRXD1C9
		Dilution Factor: 1				

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #....: A3I060169

Matrix.....: WATER

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	PREP BATCH #
		LIMIT	UNITS				
Total Suspended Solids	ND	4.0	mg/L	Work Order #: FX0J61AA MB Lot-Sample #:	MCAWW 160.2	09/10/03	A3I100000-261 3253261
				Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A3I060169 **Work Order #....:** F0A861AC **Matrix.....:** WATER
LCS Lot-Sample#: A3I140000-140
Prep Date.....: 09/11/03 **Analysis Date..:** 09/11/03
Prep Batch #....: 3257140
Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>	
1,1-Dichloroethene	92	(63 - 130)	SW846 8260B
Trichloroethene	93	(75 - 122)	SW846 8260B
Benzene	95	(80 - 116)	SW846 8260B
Toluene	96	(74 - 119)	SW846 8260B
Chlorobenzene	93	(76 - 117)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Dibromofluoromethane	97	(73 - 122)
1,2-Dichloroethane-d4	97	(61 - 128)
Toluene-d8	100	(76 - 110)
4-Bromofluorobenzene	98	(74 - 116)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A3I060169 Work Order #...: FXRWA1AC Matrix.....: WATER
 LCS Lot-Sample#: A3I070000-113
 Prep Date.....: 09/07/03 Analysis Date...: 09/09/03
 Prep Batch #...: 3250113
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
Phenol	45	(10 - 131)	SW846 8270C
2-Chlorophenol	58	(19 - 124)	SW846 8270C
1,4-Dichlorobenzene	50	(28 - 110)	SW846 8270C
N-Nitrosodi-n-propyl-amine	66	(30 - 115)	SW846 8270C
1,2,4-Trichloro-benzene	49	(31 - 110)	SW846 8270C
4-Chloro-3-methylphenol	61	(29 - 124)	SW846 8270C
Acenaphthene	65	(39 - 118)	SW846 8270C
4-Nitrophenol	54	(19 - 144)	SW846 8270C
2,4-Dinitrotoluene	71	(47 - 131)	SW846 8270C
Pentachlorophenol	54	(10 - 140)	SW846 8270C
Pyrene	85	(46 - 130)	SW846 8270C
<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	
Nitrobenzene-d5	68	(32 - 112)	
2-Fluorobiphenyl	65	(30 - 110)	
Terphenyl-d14	97	(10 - 144)	
Phenol-d5	52	(10 - 113)	
2-Fluorophenol	58	(13 - 110)	
2,4,6-Tribromophenol	72	(21 - 122)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: A3I060169 Work Order #...: FX0HD1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: A3I100000-236 FX0HD1AD-LCSD
 Prep Date.....: 09/10/03 Analysis Date...: 09/12/03
 Prep Batch #...: 3253236
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
Phenol	62	(10 - 131)			SW846 8270C
	61	(10 - 131)	1.1	(0-43)	SW846 8270C
2-Chlorophenol	63	(19 - 124)			SW846 8270C
	63	(19 - 124)	0.35	(0-43)	SW846 8270C
1,4-Dichlorobenzene	59	(28 - 110)			SW846 8270C
	58	(28 - 110)	2.0	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	77	(30 - 115)			SW846 8270C
	76	(30 - 115)	1.2	(0-36)	SW846 8270C
1,2,4-Trichlorobenzene	47	(31 - 110)			SW846 8270C
	49	(31 - 110)	2.6	(0-37)	SW846 8270C
4-Chloro-3-methylphenol	64	(29 - 124)			SW846 8270C
	65	(29 - 124)	1.0	(0-55)	SW846 8270C
Acenaphthene	66	(39 - 118)			SW846 8270C
	67	(39 - 118)	0.80	(0-35)	SW846 8270C
4-Nitrophenol	83	(19 - 144)			SW846 8270C
	82	(19 - 144)	1.7	(0-34)	SW846 8270C
2,4-Dinitrotoluene	77	(47 - 131)			SW846 8270C
	79	(47 - 131)	1.6	(0-32)	SW846 8270C
Pentachlorophenol	76	(10 - 140)			SW846 8270C
	73	(10 - 140)	3.4	(0-56)	SW846 8270C
Pyrene	65	(46 - 130)			SW846 8270C
	65	(46 - 130)	0.92	(0-31)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	72	(32 - 112)
	71	(32 - 112)
2-Fluorobiphenyl	60	(30 - 110)
	60	(30 - 110)
Terphenyl-d14	66	(10 - 144)
	64	(10 - 144)
Phenol-d5	68	(10 - 113)
	67	(10 - 113)
2-Fluorophenol	71	(13 - 110)
	70	(13 - 110)
2,4,6-Tribromophenol	76	(21 - 122)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169 Work Order #....: FX0HD1AC-LCS Matrix.....: WATER
LCS Lot-Sample#: A3I100000-236 FX0HD1AD-LCSD

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
	76	(21 - 122)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #....: A3I060169

Matrix.....: WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: A3I080000-104			Prep Batch #....: 3251104		
Arsenic	100	(80 - 120)	SW846 6010B	09/08-09/11/03	FXRXD1A6
		Dilution Factor: 1			
Chromium	107	(80 - 120)	SW846 6010B	09/08-09/11/03	FXRXD1CC
		Dilution Factor: 1			
Nickel	101	(80 - 120)	SW846 6010B	09/08-09/11/03	FXRXD1DT
		Dilution Factor: 1			

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: A3I060169

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
LCS Lot-Sample#: A3I080000-104			Prep Batch #....: 3251104		
Arsenic	100	(80 - 120)	SW846 6010B Dilution Factor: 1	09/08-09/11/03	FXRXD1DP
Chromium	107	(80 - 120)	SW846 6010B Dilution Factor: 1	09/08-09/11/03	FXRXD1DQ
Nickel	101	(80 - 120)	SW846 6010B Dilution Factor: 1	09/08-09/11/03	FXRXD1DR

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #....: A3I060169

Matrix.....: WATER

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Suspended Solids	107	(66 - 119)	Work Order #: FX0J61AC LCS Lot-Sample#: A3I100000-261 MCAWW 160.2 Dilution Factor: 1	09/10/03	3253261

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #....: A3I060169 **Work Order #....:** FXQ7W1AC-MS **Matrix.....:** WG
MS Lot-Sample #: A3I060169-004 **FXQ7W1AD-MSD**
Date Sampled....: 09/05/03 13:20 **Date Received...:** 09/06/03
Prep Date.....: 09/11/03 **Analysis Date..:** 09/11/03
Prep Batch #....: 3257140
Dilution Factor: 3.33

<u>PARAMETER</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
	<u>RECOVERY</u>	<u>LIMITS</u>			
1,1-Dichloroethene	91	(62 - 130)			SW846 8260B
	91	(62 - 130)	0.40	(0-20)	SW846 8260B
Trichloroethene	89	(62 - 130)			SW846 8260B
	92	(62 - 130)	3.6	(0-20)	SW846 8260B
Benzene	94	(78 - 118)			SW846 8260B
	94	(78 - 118)	0.17	(0-20)	SW846 8260B
Toluene	93	(70 - 119)			SW846 8260B
	94	(70 - 119)	0.54	(0-20)	SW846 8260B
Chlorobenzene	92	(76 - 117)			SW846 8260B
	91	(76 - 117)	0.75	(0-20)	SW846 8260B

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>	<u>LIMITS</u>
	<u>RECOVERY</u>		
Dibromofluoromethane	96		(73 - 122)
	95		(73 - 122)
1,2-Dichloroethane-d4	92		(61 - 128)
	93		(61 - 128)
Toluene-d8	98		(76 - 110)
	98		(76 - 110)
4-Bromofluorobenzene	99		(74 - 116)
	97		(74 - 116)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169 Work Order #....: FXQ7W1AF-MS Matrix.....: WG
 MS Lot-Sample #: A3I060169-004 FXQ7W1AG-MSD
 Date Sampled...: 09/05/03 13:20 Date Received...: 09/06/03
 Prep Date.....: 09/07/03 Analysis Date..: 09/09/03
 Prep Batch #....: 3250113
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>
Phenol	56	(10 - 131)			SW846 8270C
	57	(10 - 131)	1.8	(0-43)	SW846 8270C
2-Chlorophenol	61	(19 - 124)			SW846 8270C
	60	(19 - 124)	1.3	(0-43)	SW846 8270C
1,4-Dichlorobenzene	76	(18 - 110)			SW846 8270C
	55	(18 - 110)	32	(0-36)	SW846 8270C
N-Nitrosodi-n-propyl-amine	70	(18 - 115)			SW846 8270C
	72	(18 - 115)	3.1	(0-36)	SW846 8270C
1,2,4-Trichlorobenzene	68	(22 - 110)			SW846 8270C
	54	(22 - 110)	22	(0-37)	SW846 8270C
4-Chloro-3-methylphenol	70	(21 - 124)			SW846 8270C
	69	(21 - 124)	1.0	(0-55)	SW846 8270C
Acenaphthene	69	(26 - 118)			SW846 8270C
	72	(26 - 118)	4.0	(0-35)	SW846 8270C
4-Nitrophenol	76	(10 - 145)			SW846 8270C
	76	(10 - 145)	0.76	(0-34)	SW846 8270C
2,4-Dinitrotoluene	78	(31 - 131)			SW846 8270C
	76	(31 - 131)	2.4	(0-32)	SW846 8270C
Pentachlorophenol	70	(10 - 140)			SW846 8270C
	71	(10 - 140)	1.8	(0-56)	SW846 8270C
Pyrene	95	(27 - 138)			SW846 8270C
	86	(27 - 138)	10	(0-31)	SW846 8270C

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	72	(32 - 112)
	70	(32 - 112)
2-Fluorobiphenyl	70	(30 - 110)
	71	(30 - 110)
Terphenyl-d14	111	(10 - 144)
	100	(10 - 144)
Phenol-d5	64	(10 - 113)
	64	(10 - 113)
2-Fluorophenol	66	(13 - 110)
	63	(13 - 110)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #....: A3I060169 Work Order #....: FXQ7W1AF-MS Matrix.....: WG
MS Lot-Sample #: A3I060169-004 FXQ7W1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
2,4,6-Tribromophenol	84	(21 - 122)
	82	(21 - 122)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #....: A3I060169

Matrix.....: WATER

Date Sampled...: 09/03/03 12:45 Date Received..: 09/06/03

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MS Lot-Sample #: A3I060177-001 Prep Batch #....: 3251104							
Arsenic	102	(75 - 125)			SW846 6010B	09/08-09/11/03	FXRAH1ET
	96	(75 - 125) 6.1 (0-20)			SW846 6010B	09/08-09/11/03	FXRAH1EU
		Dilution Factor: 1					
Chromium	110	(75 - 125)			SW846 6010B	09/08-09/11/03	FXRAH1EW
	102	(75 - 125) 7.4 (0-20)			SW846 6010B	09/08-09/11/03	FXRAH1EX
		Dilution Factor: 1					
Nickel	103	(75 - 125)			SW846 6010B	09/08-09/11/03	FXRAH1E1
	96	(75 - 125) 6.9 (0-20)			SW846 6010B	09/08-09/11/03	FXRAH1E2
		Dilution Factor: 1					

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #....: A3I060169 Work Order #....: FXVGE-SMP Matrix.....: WATER
 FXVGE-DUP

Date Sampled...: 09/09/03 07:39 Date Received..: 09/09/03

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE</u> <u>RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD</u> <u>LIMIT</u>	<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS</u> <u>DATE</u>	<u>PREP</u> <u>BATCH #</u>
Total Suspended Solids	19	13	mg/L	38	(0-20)	MCAWW 160.2	SD Lot-Sample #: A3I090101-001 09/10/03	3253261
			Dilution Factor:	1				

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Date Sampled...: 09/08/03 09:00 Date Received..: 09/09/03

<u>PARAM</u>	<u>RESULT</u>	<u>DUPLICATE RESULT</u>	<u>UNITS</u>	<u>RPD</u>	<u>RPD LIMIT</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Suspended Solids	ND	ND	mg/L	0.0	(0-20)	SD Lot-Sample #: A3I090203-001	09/10/03	3253261
Dilution Factor: 1								

**Chain of
Custody Record**

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (0901)

Client THE Payne Firm **Project Manager** DAU WEED **Date** 1/5/03 **Chain of Custody Number** 162872
Address

City CINCINNATI OH **State** Zip Code 45242

Telephone Number (Area Code)/Fax Number 513 - 489 - 2533

Site Contact M. Becker/Hann Lab Contact R. TOTH

Carrier/Waybill Number STL-CINCINNATI

Project Name and Location (State)
EMD Chemicals Inc.
Contract/Purchase Order/Quote No.

(Containers for each sample may be combined on one line)

Sample I.D. No. and Description

Date 1/5/03 Time 1500 Air X

Aqueous X Sed. X Unpres. X

Soil X H2SO4 X

HNO3 X

HCl X

NaOH X

ZnAc/NaOH X

VOC 8260

SVOC

METALS-TOTAL

METALS-DISSOLVED

TOTAL SUSPENDED

Analytical (Attach list if
more space is needed)

Special Instructions/
Conditions of Receipt

-Normal Turn

-Results To

DAU WEED

-Dissolved Metals

ACID FLICKERED

-METALS INCLUDE?

ASPC, CRDUMIN?

NICKEL ONLY

-MS = MATRIX

SPIKE

-MSD = MAXRDX

SPIKE DUPLICATE

(A fee may be assessed if samples are retained)

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison A Unknown Return To Client Disposal By Lab Archive For _____ Months longer than 1 month)

Turn Around Time Required

24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

QC Requirements (Specify)	1. Received By	Date	Time	1. Received By	Date	Time	2. Received By	Date	Time	3. Received By	Date	Time
		1/5/03	1615		1/5/03	1615		1/6/03	10:15			

Comments

**Chain of
Custody Record**

**SEVERN
TRENT
SERVICES**

Severn Trent Laboratories, Inc.

STL-4124 (801)

Client The Payne Firm **Project Manager** _____ **Date** 9/5/03 **Chain of Custody Number** 162876
Address _____

City _____ **State** _____ **Zip Code** _____ **Telephone Number (Area Code)/Fax Number** _____
Project Name and Location (State) _____ **Carrier/Maybill Number** _____

Contract/Purchase Order/Quote No. _____

**Special Instructions/
Conditions of Receipt**

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

Date _____ **Time** _____

Matrix _____ **Containers & Preservatives**

<u>FB 02 /090503</u>	<u>1/5/03</u>	<u>1315</u>	<input checked="" type="checkbox"/> Air	<input type="checkbox"/> Aqueous	<input type="checkbox"/> Sed.	<input type="checkbox"/> Soil	<input type="checkbox"/> Unpres.	<input type="checkbox"/> H2SO4	<input type="checkbox"/> HNO3	<input type="checkbox"/> HCl	<input type="checkbox"/> NaOH	<input type="checkbox"/> ZnAc/ NaOH
<u>TB 04 /090503</u>	<u>9/5/03</u>	—	<input checked="" type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> X	<input checked="" type="checkbox"/> X	<input type="checkbox"/>	<input type="checkbox"/>	

VOC 8260
SVOC

**Analysis (Attach list if
more space is needed)**

Page 2 of 2

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown

Return To Client

Disposal By Lab

Archive For

Months

(A fee may be assessed if samples are retained
longer than 1 month)

Turn Around Time Required

24 Hours 48 Hours 7 Days 14 Days 21 Days Other _____

1. Relinquished By JRC **Date** 9/5/03 **Time** 1615

2. Relinquished By JRC **Date** _____ **Time** _____

3. Relinquished By _____ **Date** _____ **Time** _____

Comments

**STL Cooler Receipt Form/Narrative
North Canton Facility**

Lot Number: A3I060169

Client: The Payne Firm
Cooler Received on: 9/6/03

Project: EMD Chemicals
Opened on: 9/6/03

Quote#: 72 Willa
(Signature)

FedEx Client Drop Off UPS Airborne Other: _____

Cooler Safe Foam Box Client Cooler

Other: _____

STL Shipper No#: SCC back

1. Were custody seals on the outside of the cooler? Yes No
If YES, Quantity 3 Location Top

Intact? Yes No NA

Yes No NA

Yes No

Yes No

Yes No

2. Shipper's packing slip attached to this form?

3. Were custody papers included inside the cooler and relinquished?

4. Did you sign the custody papers in the appropriate place?

5. Packing material used:

Peanuts Bubble Wrap Vermiculite Foam None Other: _____

6. Cooler temperature upon receipt _____ °C (see back of form for multiple coolers/temp)

METHOD: Temp Vial Coolant & Sample Against Bottles IR ICE/H₂O Slurry

COOLANT: Wet Ice Blue Ice Dry Ice Water

7. Did all bottles arrive in good condition (Unbroken)?

None

Yes No

8. Did all bottle labels and tags agree with the custody papers?

Yes No

Yes No NA

9. Were samples at the correct pH? (record on back)

Yes No

10. Were correct bottles used for the tests indicated?

Yes No

11. Were air bubbles >6 mm in any VOA vials?

Yes No NA

12. Was a sufficient amount of sample sent in each bottle?

Yes No

Contacted PM _____ Date: _____ by: _____ via Voice Mail Verbal Other

Concerning: _____

✓ MACRO | MACRO

1. CHAIN OF CUSTODY

SR1A	The chain of custody and sample bottles did not agree. The following discrepancies occurred _____ _____ _____ _____
------	--

2. SAMPLE CONDITION

SR2A	Sample(s) _____ were received or requested after the recommended holding time had expired.
SR2B	Sample(s) _____ were received with insufficient volume.
SR2C	Sample(s) _____ were received in a broken container.

3. SAMPLE PRESERVATION

SR3A	Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). <i>Nitric Acid Lot # 061603-HNO₃; Sulfuric Acid Lot # 112801-H₂SO₄; Sodium Hydroxide Lot # 011102-NaOH; Hydrochloric Acid Lot # 100902-HCl; Sodium Hydroxide and Zinc Acetate Lot # 112801-CH₃COO₂ZN/NaOH</i>
SR3B	Sample(s) _____ were received with bubble > 6 mm in diameter (cc: PM)

4. Other (see below or back)

**STL Cooler Receipt Form/Narrative
North Canton Facility**

Discrepancies Cont.

Macro Name:

Macro Name:

Macro Name:

Other Anomalies:

END OF REPORT